

Health and Safety Audit Checklist

Project Name: **CES**

CERCLIS ID#:

Project Location: **Houston, TX**

OSC: **Gary Moore**

Site Safety Officer: **Daniel Tighe**

Auditor: **Sam Cheek**

SITE CHARACTERIZATION				
PPE levels used on-site	START - B, C, D ERRS -			
Hazards	Unknown chemicals, Elevated			
Tasks	Tank clean out and Sampling, Disposal			
	Site Stabilization			
PPE				
	Y	N	Types	
Head Protection	✓		Hard Hat → Relaxel	
Foot Protection	✓		Steel/comp ToC	
Hand Protection	✓		Depends on Task	
Respiratory Protection	✓		"	
Eye Protection	✓		"	
Body Protection	✓		"	
Hearing Protection		✓	"	
Proper Disposal of PPE	✓		- Dependent on Reliability On-Site	
OSHA			Compliance	
	Y	N	N/A	Ref #
HASP				
1910.120 (b)(4)(i) Health and safety plan available on site (and signed by all employees)	✓			
1910.120(c)(4)(i) Location and size of site identified	✓			ERRS HASP
1910.120(d)(3) Site map with work zones delineated and enforced	✓			①

START - ?

1910.120(c)(4)(iv) Site topography and accessibility addressed				
1910.120(c)(4)(ii) Response activities, job tasks identified	✓			
1910.120(b)(4)(ii)(A) Hazard analysis for each task and operation included?	✓			③
1910.120(c)(4)(iii) Duration of tasks identified?	✓			
1910.120(b)(4)(ii)(B) Training requirements addressed?	✓			④
1910.120(b)(4)(ii)(C) PPE requirements addressed?	✓			
1910.120(b)(4)(ii)(D) Medical surveillance requirements addressed?	✓			
1910.120(4)(ii)(E) Freq & types of air monitoring identified?	✓			⑤
1910.1000 Contaminant Action Levels Established?	✓			
1910.120(c)(5)(ii) Respiratory protection requirements established?	✓			
1910.120(g)(1)(vi) Respirator fit testing and training requirements addressed?	✓			
1910.120(b)(4)(ii)(I) Confined space entry procedures identified?		✓		NA
1910.120(d)(1) Site control plan included?				
1910.120(k)(2)(i) Decontamination procedures established?	✓			ERPS HASP
1910.120(4)(iv) Site safety plan effectiveness evaluated ?				
EMERGENCY RESPONSE/PREPAREDNESS				
1910.120(b)(4)(ii)(H) Emergency response plan included in HASP?	✓			
1910.120(l)(ix) Emergency notification and response procedures identified?	✓			Radio and Air horns
1910.165(b)(5) Emergency phone numbers , radio frequencies clearly posted	✓			ERPS Good Job. Not ten persons
1910.165(b)(6) Signaling devices in place (10 or more workers)?			✓	
1910.120(l)(vi) Evacuation routes & procedures identified?	✓			⑥
1910.120(l)(iv) Safe distances and places of refuge identified?	✓			
1910.120(l)(2)(viii) Local emergency medical and first aid facility identified?	✓			
1910.120(l)(l)(iii) Procedures for reporting emergencies identified?	✓			
1910.120(b)(4)(ii)(J) Spill containment program included in HASP?	✓			
MEDICAL SURVEILLANCE				
1910.120(f) Documentation of medical surveillance maintained onsite per HASP requirements for all employees?		✓		⑦

START
HASP

1910.134(e) Persons using respiratory protection have been medically cleared for respirator use (prior to fit testing)?	✓	✓			
TRAINING					
1910.120(e)(3) All employees have completed appropriate training (24/40-Hour HAZWOPER, current annual refresher, 8-hour supervisor training)?	✓	✓		(8)	
1910.132(f) All personnel have been trained in the selection, proper use, limitations, and care and maintenance of PPE	✓	✓		ECRS - 405 START - not done (9)	
1910.134(g), (h), and (k) Persons using respirators have been trained on the proper use and maintenance of respirators?	✓				
1910.146(g) Persons performing confined space operations have required training?				NA	

HAZARD COMMUNICATION				
An inventory of all hazardous chemicals on site is available?	✓	✓		⑩
Material Safety Data Sheets on site or available for all chemicals?	✓			
1910.120 (b)(4)(iii) Daily tailgate safety meetings conducted and documented	✓			EPDS/START GERT 3.5
1910.120(b)(7) Employees informed of potential hazard occurrence	✓			
1910.120(b)(8) Properties of each chemical made aware to employees	✓			MSDSs
GENERAL				
1910.120 (b)(4)(ii)(I) Confined space entry procedures followed?			NA	
1910.120(m) Light /Areas adequately illuminated?			NA	
1910.120 (b)(1)(iii) Trench/excavation shored or slope requirements meet 1926 Subpart P?			NA	
1910.120(n)(1)(i) Adequate supply of potable water available?	✓			
1910.120(n)(3)(i) Sufficient toilets available (10:1)?	✓			
1910.120(n)(6) Adequate wash facilities provided outside hazard zone?	✓			
1910.120(4)(ii)(F) Site control measures in place (per HASP)?	✓			
1910.120(4)(ii)(G) Decontamination procedures followed?	✓			
1910.120(4)(ii)(H) Emergency response plan in followed?	✓	✓		⑩
AIR MONITORING				
Is air monitoring being conducted as required by HASP?	✓			
Air monitoring instruments calibrated per HASP and manufacturer specification?	✓	✓		⑫
Is monitoring equipment specified in HASP available and in working order?	✓			
1910.120(c)(6)(i) Monitoring for ionizing radiation conducted and documented?	✓			
1910.120(c)(6)(ii) Monitoring conducted and documented for IDLH conditions, including explosive/flammable atmospheres?	✓			
1910.120(c)(6)(iii) Lookouts posted with IDLH environments?			NA	
1910.120(c)(6)(iv) Ongoing air monitoring program in place and documented?	✓			
1910.120(h)(3) Periodic monitoring conducted and documented?	✓			

RESPIRATORY PROTECTION				
1910.134(d)(1) Is the appropriate respirator being used per the HASP?	✓			
1910.134(d)(2) Is Level B PPE (SCBA or supplied air respirator) or greater used for IDLH atmospheres?			NA	
1910.134(h)(3)(1) Is supplied breathing air of high purity (meets the requirements of Grade D Breathing Air)?	✓		NA	SCBA-
1910.134(f) Persons using respiratory protection have been successfully fit tested?	✓			Good Records for Both
PERSONAL PROTECTIVE EQUIPMENT (PPE)				
1910.132 Proper PPE selected and used per the HASP?	✓			
1910.120(c)(5)(iii) Level B PPE used for sampling/handling unknowns?	✓			
1910.120(g)(5)(iv) PPE properly maintained/stored in sanitary condition?	✓			
1910.95(i) Hearing protection required and properly used?			NA	
DRUM HANDLING				
1910.120(j)(1)(iii) Drums moved to an accessible location prior to work?	✓			
1910.120(j)(1)(iv) Unlabeled drums treated as unknown until identified/ labeled?	✓			HAZCAT
1910.120(j)(1)(v) Site activities organized to minimize drum handling?	✓			
1910.120(j)(1)(vi) Employers warned: hazards of moving/handling drums?	✓			
1910.120(j)(1)(vii) Overpack drums available for leaking/ruptured drums?	✓			
1910.120(j)(1)(viii) Leaking materials from drums properly contained?	✓			
1910.120(j)(1)(xii) Extinguishing equipment to control incipient fires available?	✓			
1910.120(j)(2)(v) Non-sparking tools used in flammable/potentially flam. atm.?	✓			
1910.120(j)(5)(i) Non-essential people evacuated for shock sensitive drums?			NA	
1910.120(j)(5)(ii) For shock sensitive drums: shields are used?			NA	
1910.120(j)(5)(iii) Alarms announce start/finish of explosive drum handling?			NA	
1910.120(j)(8)(ii-iii) Drum staging areas with marked access and egress?		✓		(13)
1910.120(j)(8)(iv) Bulking of drums after contents are properly identified?	✓			HAZCAT - Good Job
GENERAL INDUSTRY SAFE WORK PRACTICES				

User manuals available for air monitoring equipment?	✓			
Instruments clean and charged?	✓			
"NO SMOKING" signs posted in hot zones and near flammable materials storage? (7)				
Smoking areas identified? (7)				
Staged flammables and combustibles kept in a ventilated area?	✓			
Fuel gas cylinders and oxygen cylinders separated?		NA	no O ₂	
Fire extinguishers within 75 feet (outside) or 10ft (inside)?				
Class A for Ordinary combustible material fires.				
Class B for Flammable liquid, gas or grease fires.				
Class C for Energized-electrical equipment fires.				
Extinguishers serviced, charged, maintained, tagged and accessible?		✓		
First Aid Kits available appropriate for the number of employees onsite?	✓			
Spills of flammable or combustible liquids cleaned up promptly?		NA		
Spill cleanup supplies on-hand?	✓			
Are steps taken to contain liquids used for decontamination?	✓			
Electric tools grounded?	✓			in GFI
No cracks/adequate integrity - tools inspected prior to job use? -	✓			
LOCKOUT/TAGOUT PROCEDURES in place?		NA		
Eye wash facilities/quick drench shower (corrosive materials)?	✓			w/ 70 hot ops
Wind Socks are in place?		✓		(14)
Walkways/work areas cleared of trip hazards/trip hazards flagged or marked?	✓			Good Job of Marking Areas
Walking-Working Surfaces maintained in bad weather conditions	✓			
Elevated Surfaces, floor openings (> 4 feet in elevation) – proper fall protection (guardrail, harness/tag lines, etc) used?				
Eating and Break areas identified? - Command Post	✓			
Map to nearest Hospital posted?	✓			
Emergency telephone numbers posted? -	✓			
Local emergency service providers notified of site activities?	✓			

No Activities during audit
Other is out of date

Adequate safety equipment inventory available?		✓		(15)
EPA POLICIES				
Names of on-site personnel recorded in field logbook or daily sign-in sheet?	✓			
HASP compliance agreement form signed by all on-site personnel?	✓			
Medical Monitoring performed: Level C or greater used (temps exceeds 70)?	✓			Yes for Level B
BOAT SAFETY - NA				
Boat Captain identified in HASP and has proper training and experience for type of boat, waterway, and work to be performed?				
Conditions for halting boat operations defined in HASP?				
Adequate Personal Floatation Devices (Type I, II, or III PFD) used by all onboard?				
Float plan prepared?				
Boat inspected prior to launch (all required equipment on board/boat is seaworthy) and inspections documented?				

Ref #	Comments	Corrective Actions
①	Site Maps Created - Exclusion Zone is essentially the Site Away from Command Trailer. Daily Work Areas are delineated for operations.	None. But could have made areas as locally delineated to decrease size of exclusion zone.
③	Sites Initial Tasks Listed. Additional tasks performed should be included as amendments to HASP.	
④	Training Requirements	None. Both HASPs list training requirements.
⑤	Air Monitoring	ERRS - HASP mentions Adding Benzene However it was not added.
⑥	Rally Location known Griggs/Waylands	Rally Locations are not posted
⑦	Not available on-site	Documents available electronically Need to Make Sure Filing are updated.
⑧/9	Training Requirements -	Hazwoper Refresher updated prior to expiration as well as having BBP training - annually
⑩	Chemical Inventory List	START - Needs inventory
⑪	Emergency Response Plan needs to be updated	Please implement a next tailgate meeting
⑫	Cal records for equipment	ERRS needs to keep copy for coupon equipment. START paperwork is on-site.

Auditor's Signature



Date 3/25/2015

OSC's Signature



Date

3/25/15